



Aerospace Medicine and Biology

1981 Cumulative Index

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SPECIAL NOTICE

The abstract sections of the supplements of *Aerospace Medicine and Biology* can be bound separately. Individual abstracts can be located readily by means of the page numbers given at each entry, e.g., p0172 N81-27793. To assist the user in binding Supplements SP-7011(216) through SP-7011(227), a title page is included in the back of this Cumulative Index.

NASA SP-7011 (228)

**A CUMULATIVE INDEX
TO
A CONTINUING BIBLIOGRAPHY ON

AEROSPACE MEDICINE
AND BIOLOGY**

**This Cumulative Index supersedes the indexes
contained in supplements [SP-7011(216) through
SP-7011(227)] published by NASA during 1981.**



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INTRODUCTION

WHAT THIS CUMULATIVE INDEX IS

This publication is a cumulative index to the abstracts contained in NASA SP-7011(216) through NASA SP-7011(227) of *Aerospace Medicine and Biology: A Continuing Bibliography*, NASA SP-7011, by means of supplements, serves as a current abstracting and announcement journal for references on bioscience and biotechnology. It has been compiled through the cooperative efforts of the American Institute of Aeronautics and Astronautics (AIAA), and the National Aeronautics and Space Administration (NASA). Entries prepared by the two contributing organizations are identified as follows:

1. NASA entries by their *STAR* accession numbers (N81-10000 series)
2. AIAA entries by their *IAA* accession numbers (A81-10000 series)

HOW THIS CUMULATIVE INDEX IS ORGANIZED

This Cumulative Index includes a subject index, a personal author index, and a corporate source index.

HOW TO USE THE SUBJECT INDEX

Two types of cross-references appear in the subject index:

1. Use (U) references indicate that the subject term is not "postable," i.e., not a valid term, and that the following term or terms are used instead. For example:

DOSE

U DOSAGE

AIRLINERS

U COMMERCIAL AIRCRAFT

U PASSENGER AIRCRAFT

2. Narrower Term (NT) references refer the user to more specific headings in the same subject area, under which additional material on the subject may be found. For example:

FATIGUE (BIOLOGY)

NT AUDITORY FATIGUE

NT FLIGHT FATIGUE

NT MUSCULAR FATIGUE

In addition, a searcher may use the title or title and title extension in the index to narrow further his quest for particular items, this is because subject terms can readily include more than one class of document. For example:

BIOLOGICAL EFFECT

Vibratory force effect upon
biological systems, particularly
human organism.

Biological effect of cosmic and
solar radiations on human
body at high altitudes.

illustrates a case where two references on different topics are listed under the same subject term.

HOW TO USE THE PERSONAL AUTHOR INDEX

All personal authors used in the abstract-section citations in the individual Supplements appear in the index. Differences in translation schemes may require multiple searching of the index for variants of an author's name. For example:

EMELIANOV, M. D.

and

YEMELYANOV, M. D.

HOW TO USE THE CORPORATE SOURCE INDEX

The corporate source index entries are abridged versions of the corporate sources used in the abstract-section citations in the individual Supplements. The corporate source supplementary (organizational component) does not appear in the index. For example:

NEW MEXICO STATE UNIV., LAS CRUCES. DEPT. OF BIOLOGY. (Source citation entry)

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IDENTIFICATION OF DESIRED SUPPLEMENT

The abstract and descriptive cataloging for any accession number selected from the indexes may be found in the appropriate Supplement. The page-number range of each Supplement appears on the inside front cover of this index. Once the range of page numbers containing the selected accession number is located in the second column, the desired Supplement number will be found in the first column. For example:

Page 179 will be found in Supplement 225.

AVAILABILITY OF DOCUMENTS

Information concerning the availability of documents announced in *Aerospace Medicine and Biology* supplements is found in the Introduction to the most currently issued supplement.

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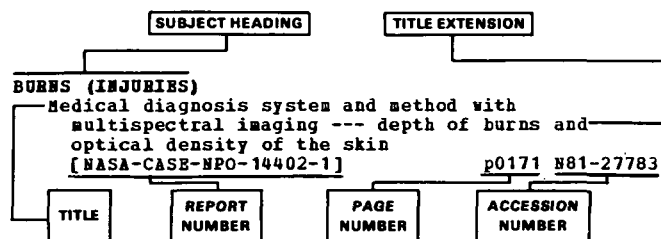
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JANUARY 1982

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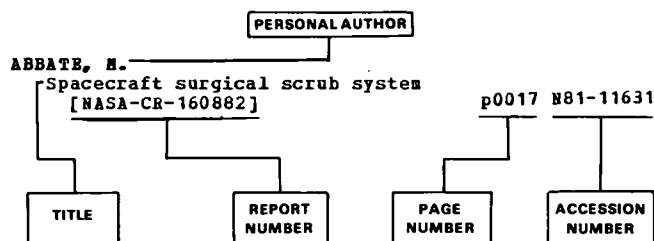
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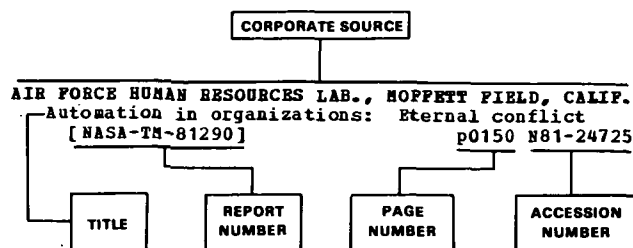
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- The role of the real-time simulation facility, SIMFAC, in the design, development and performance verification of the Shuttle Remote Manipulator System (SRMS) with man-in-the-loop
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US DIVERS CO., SANTA ANA, CALIF.

A 2 1/2 hour duration, closed circuit life support system report including test report and outline for NIOSH certification
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Cosmos 1129 - Spaceflight and bone changes
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Cardiorespiratory and perceptual recovery from a marathon run by novice and experienced women
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Medical applications of ion sensitive field effect transistors
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To develop behavioral tests of vestibular functioning in the Wistar rat
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VANDERBILT UNIV., NASHVILLE, TENN.

CAMIRD 3: Computer Assisted Medical Internal Radiation Dosimetry, PORTMAN IV version
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Teamwork in target Acquisition

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electromagnetic fields

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WALTER REED ARMY INST. OF RESEARCH, WASHINGTON, D.C.

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WAYNE STATE UNIV., DETROIT, MICH.

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Determination of in vivo mechanical properties
of long bones from their impedance response
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WHITSTON ASSOCIATES, PASADENA, CALIF.

Assessment of the use of human factors in the
design of fossil-fired steam-generating systems

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WISCONSIN UNIV. - MADISON.

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[NASA-CR-166636] p0092 N81-18635

A motion cycle simulator for analysis and
optimization of human power

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Local existence for the Cauchy problem of a
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Organizational behavior

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WISCONSIN UNIV., MADISON.

Definition of problems of persons in sheltered
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NASA: Biomedical applications team

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Human sensitivity to high frequency sine wave
and pulsed light stimulation as measured by
the steady state cortical evoked response

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